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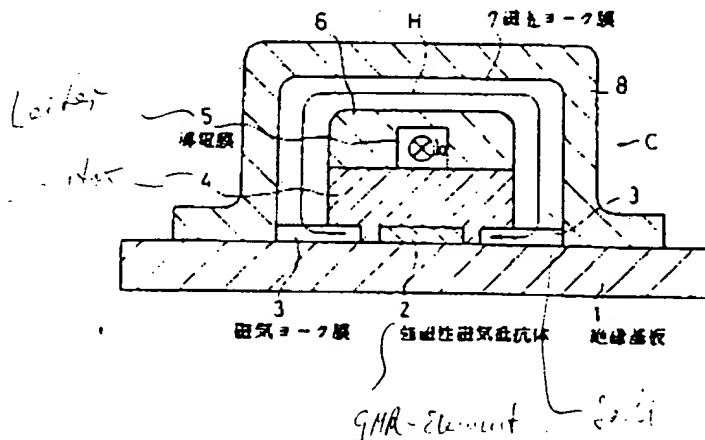
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TITLE : CURRENT DETECTOR



ABSTRACT : PURPOSE: To achieve miniaturization and to enhance accuracy by arranging a film magnetoresistance element to a part of the magnetic yoke membrane of a closed magnetic circuit surrounding a conductive film.

CONSTITUTION: A magnetic membrane yoke 3 forming a magnetic closed circuit is provided so as to surround the current applying direction of a conductive film 5 and a ferromagnetic film magnetoresistance element 2 insulated from the film 5 by an insulating film 4 is arranged to a part of the magnetic closed circuit. The magnetic field proportional to the current flowing to the film 5 is generated to be converged to the yoke 3 to be measured as a resistance value by the element 2. As a result, a current detector having small constitution and capable of performing measurement with high accuracy without receiving the effect of an inductance component is obtained.

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